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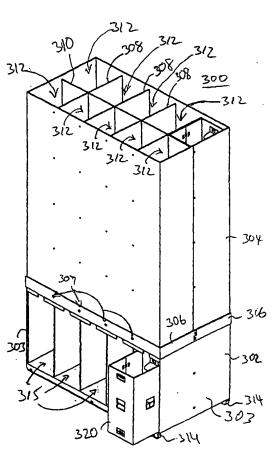
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
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Published:

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[Continued on next page]

(54) Title: ARTICLE STORAGE MAGAZINE FOR AN ARTICLE HANDLING DEVICE



(57) Abstract: An article handling apparatus having an article storage area (215) includes a movable storage structure (219). The movable storage structure (219) has a bin segment guidance structure to form a plurality of axially aligned article storage columns (216). The guidance structure includes a receiving device providing individual coupling to article storage bin segments (1202) so as to allow grouping of bin segments into the plurality of aligned article storage columns.

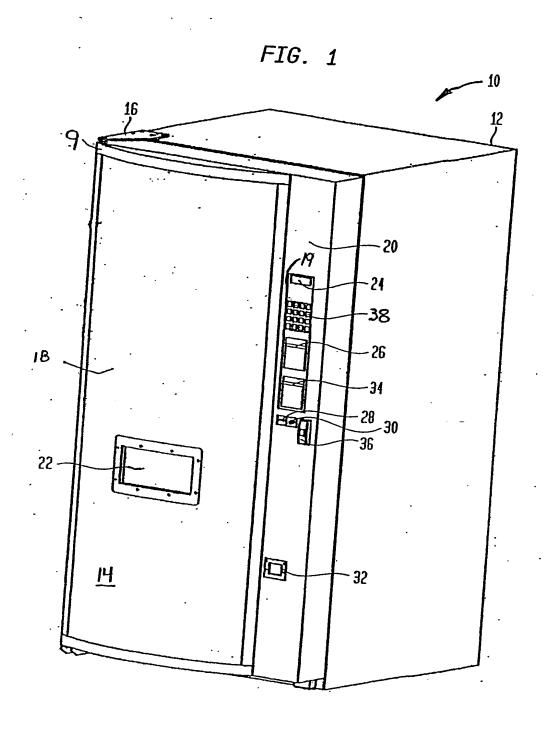
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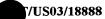


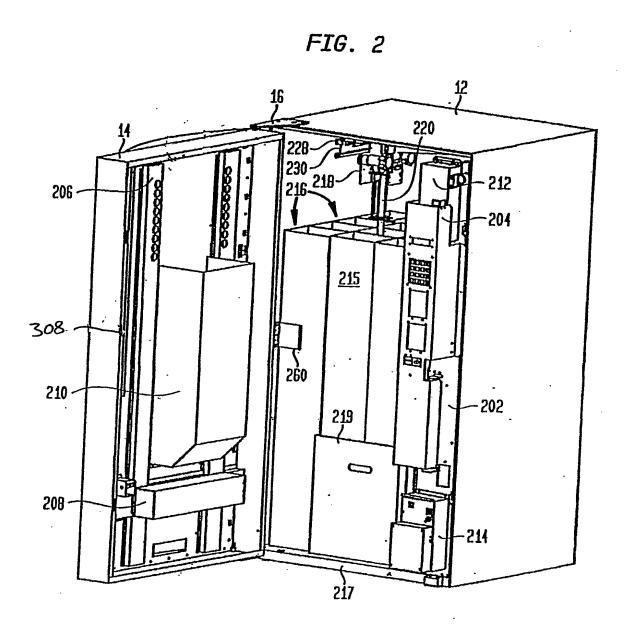


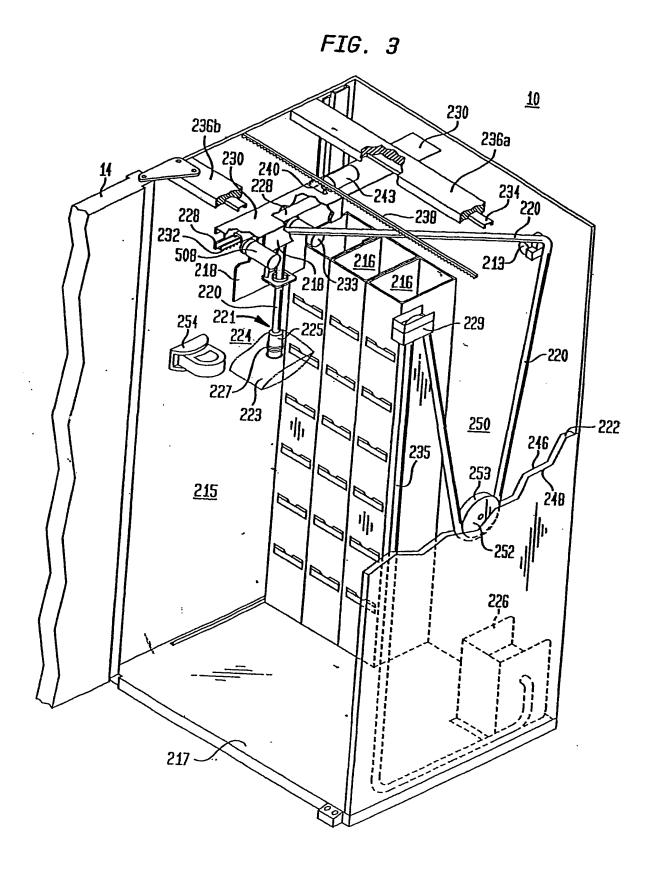
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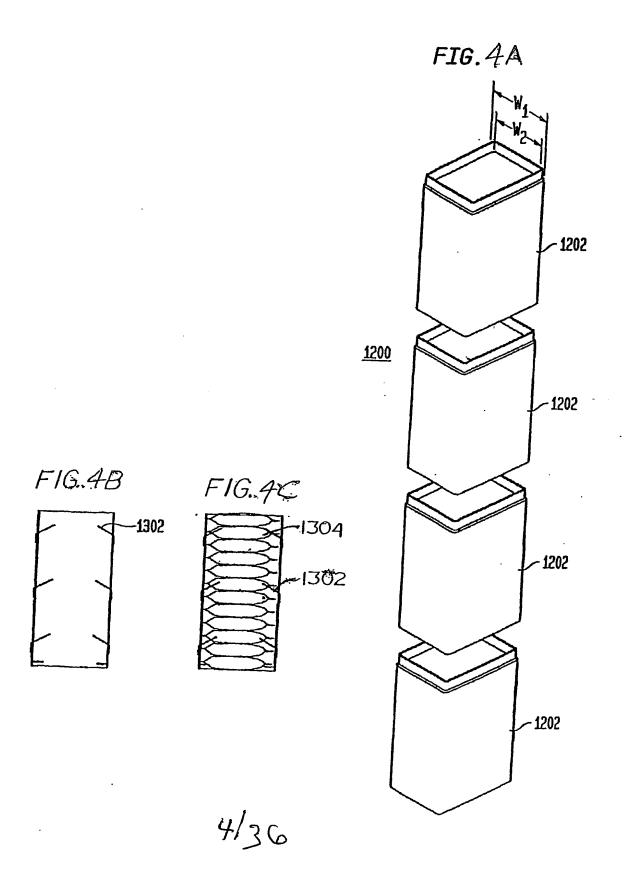
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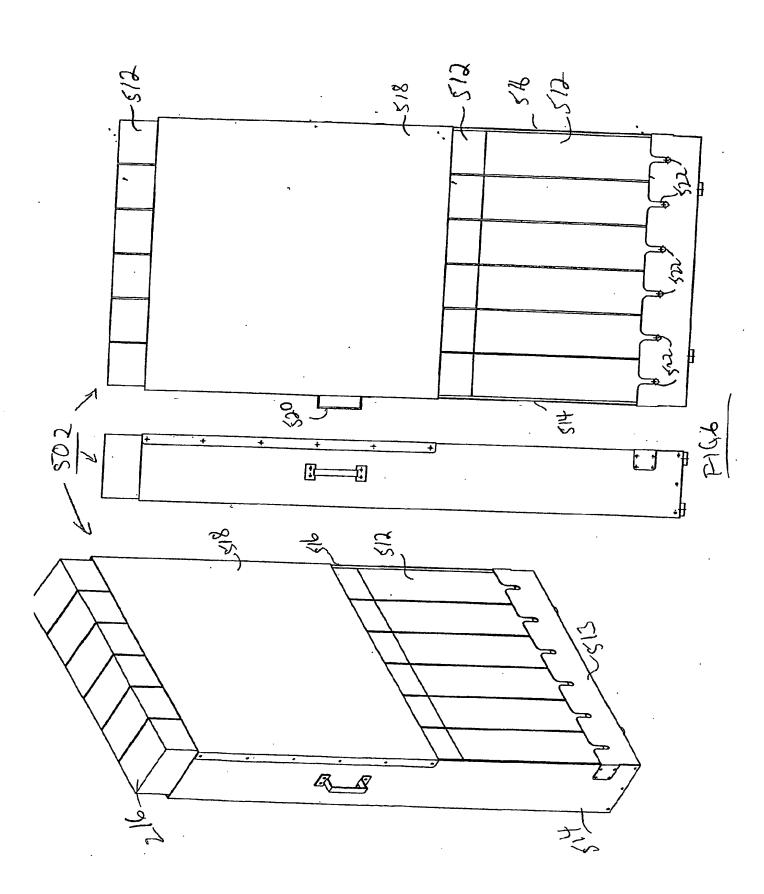


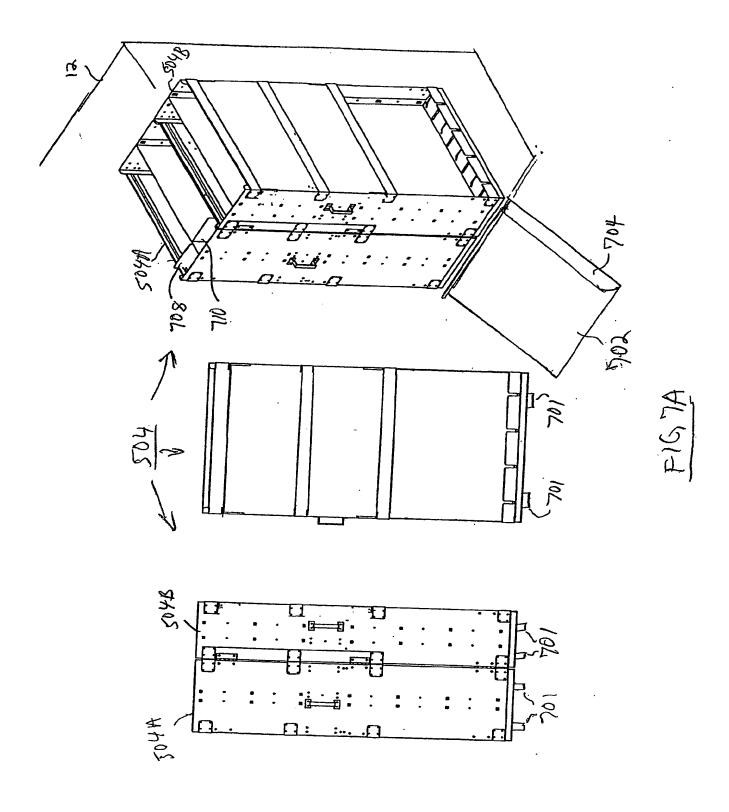


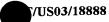


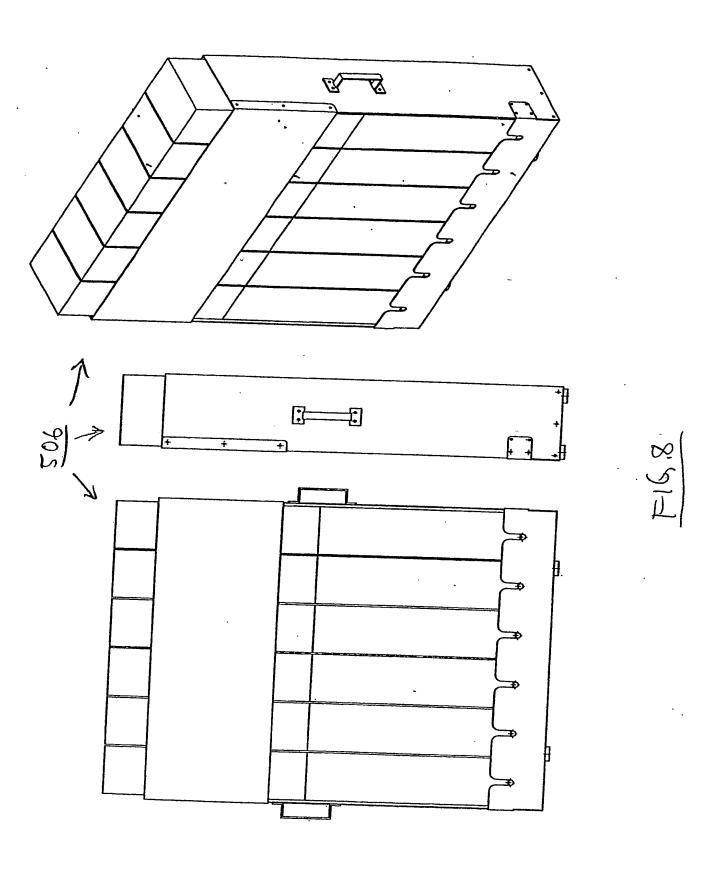


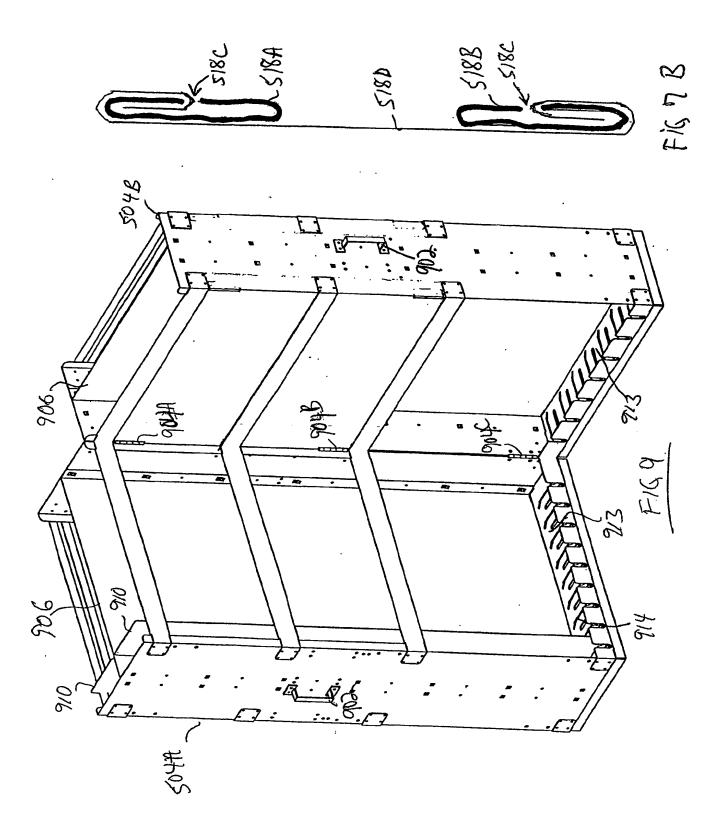
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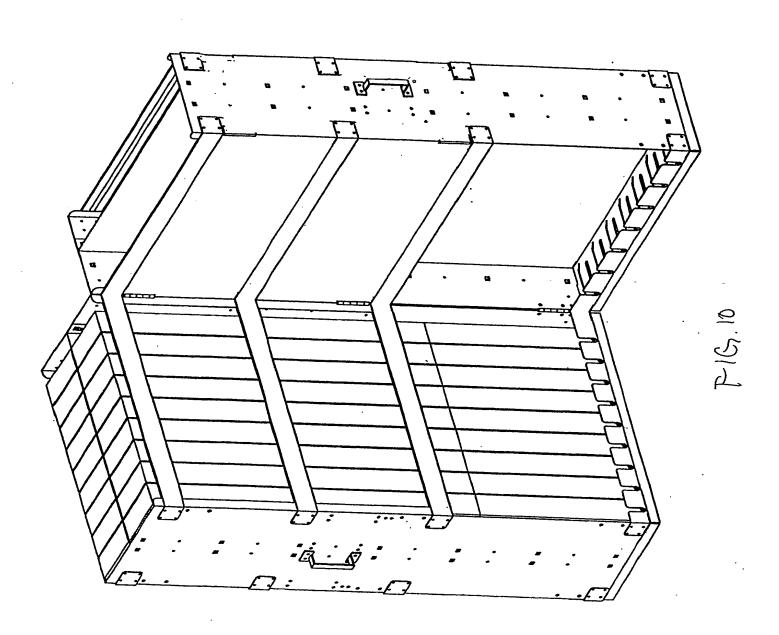






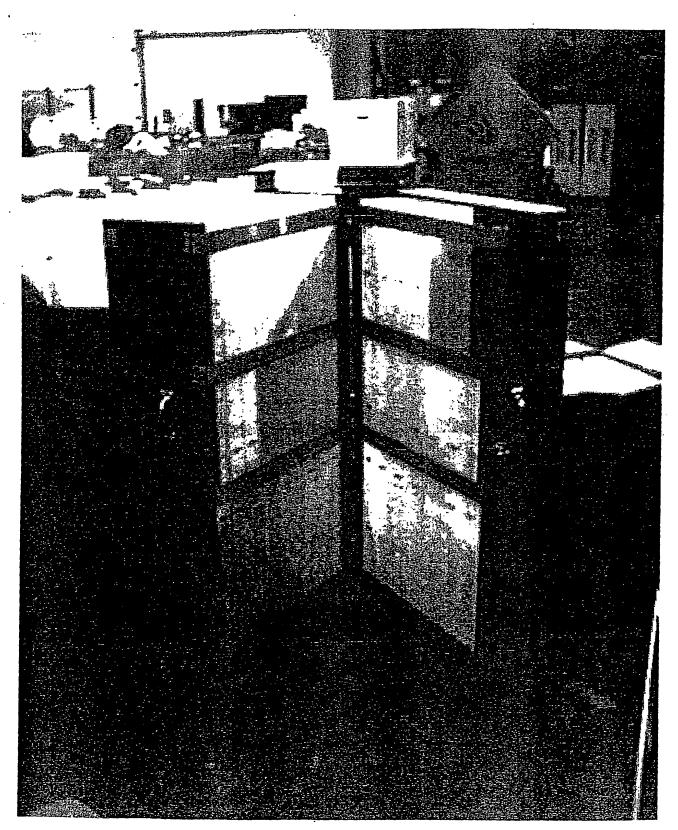








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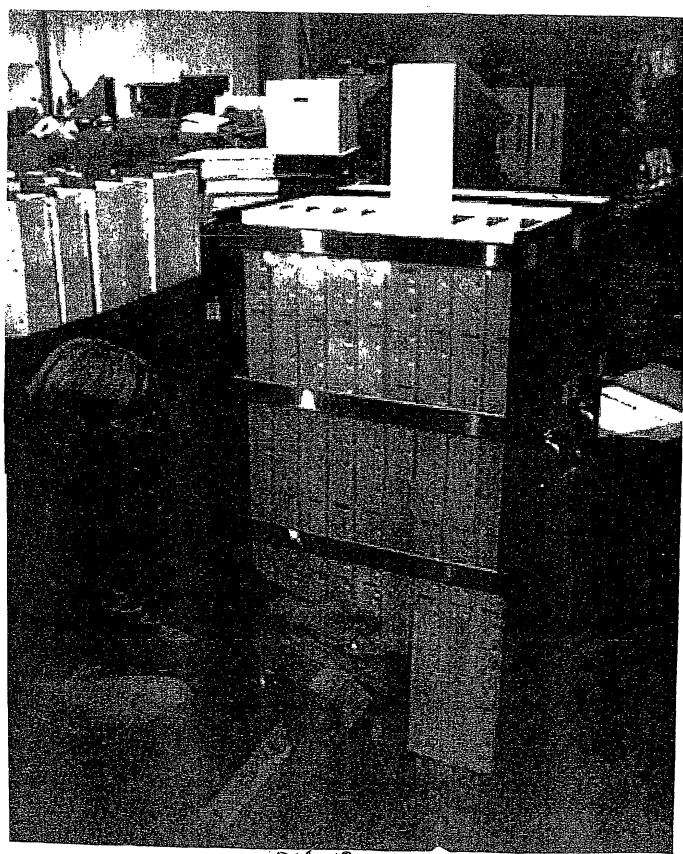
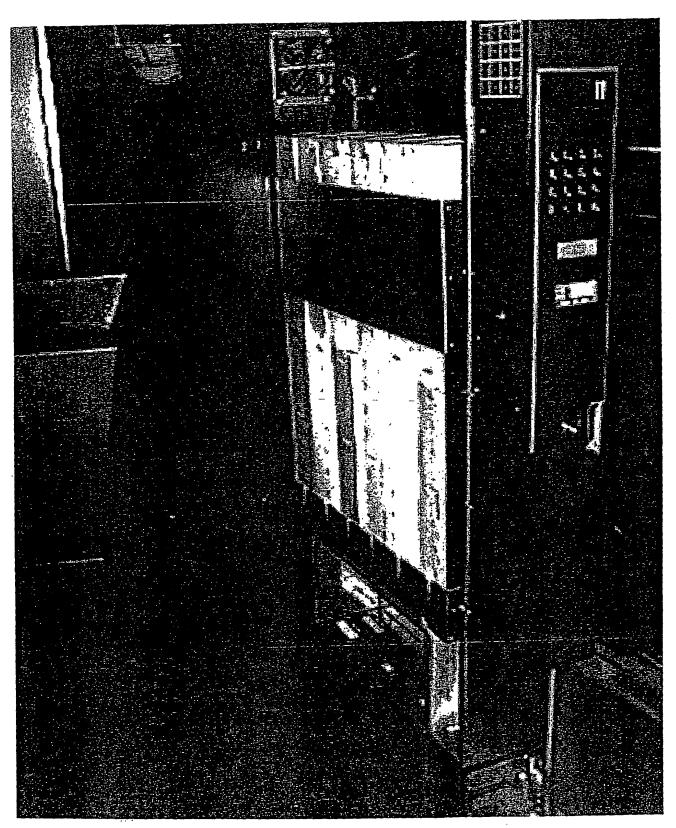


FIG 13



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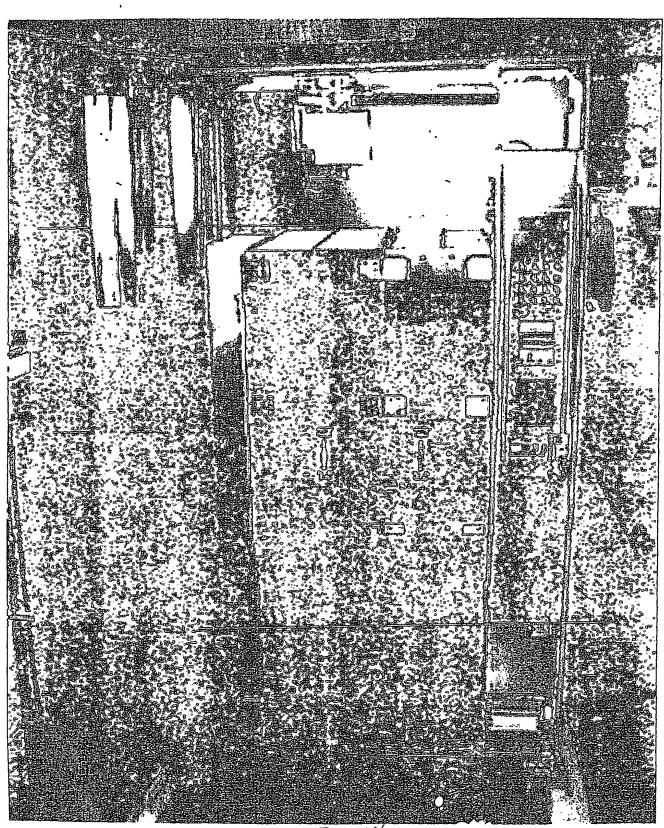
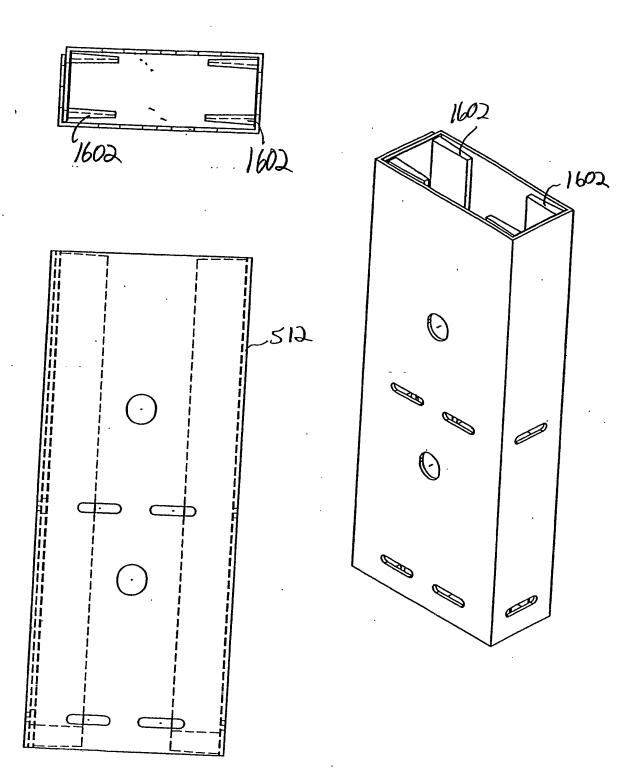
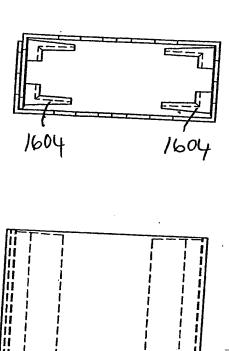
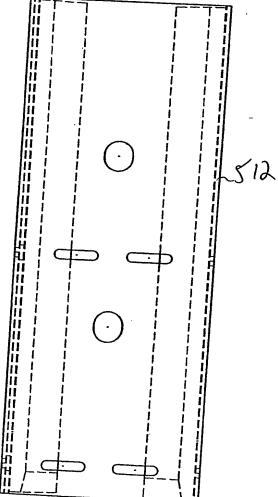


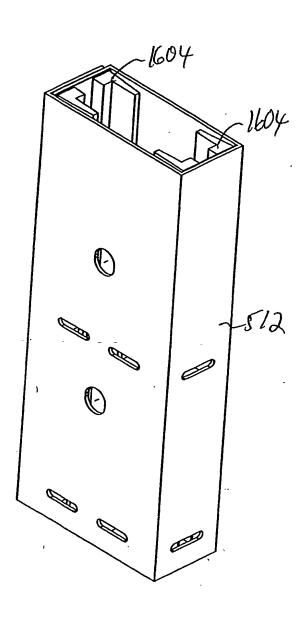
FIG 15



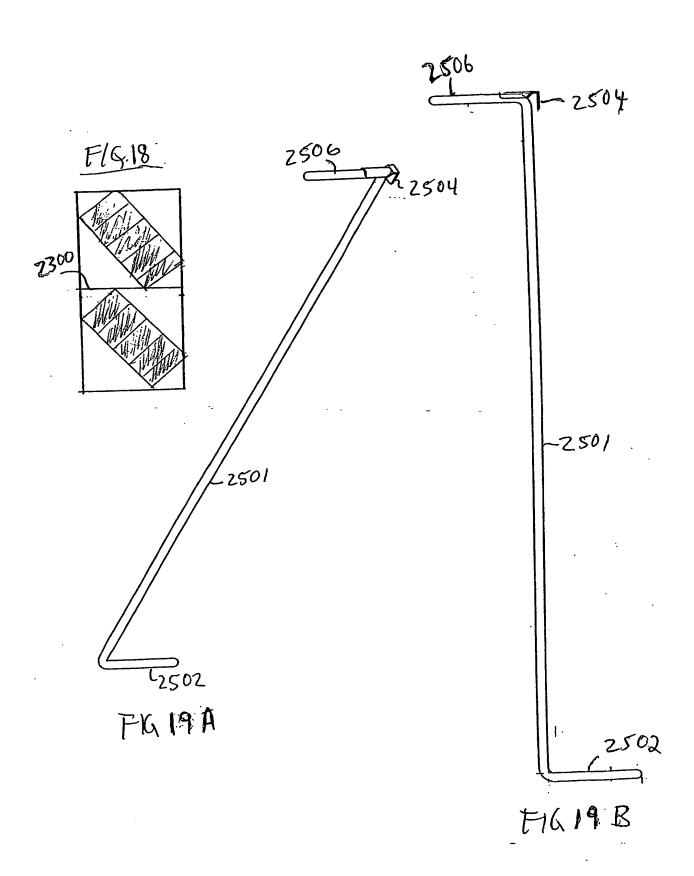
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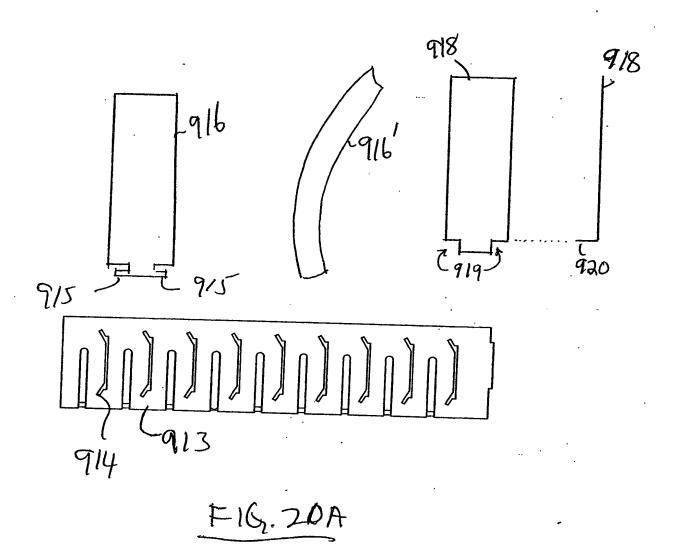






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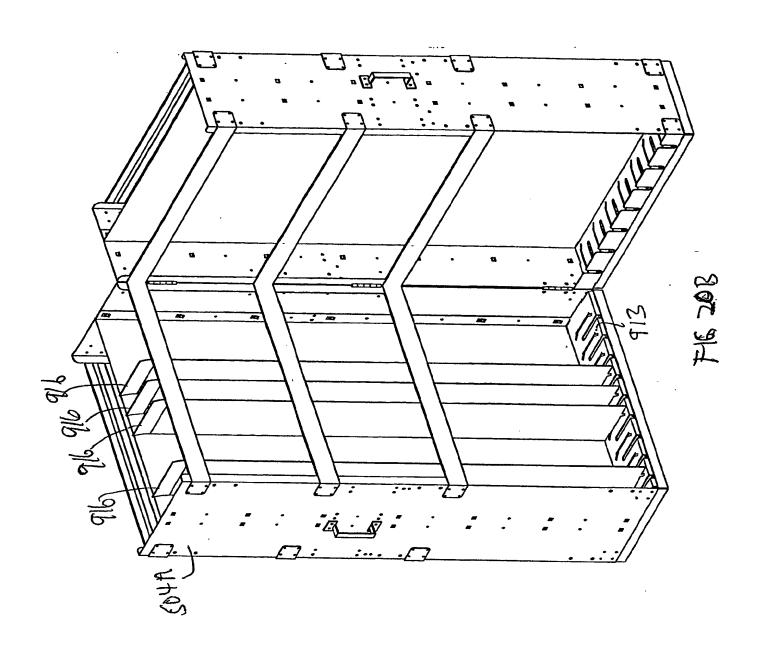


FIG2|a

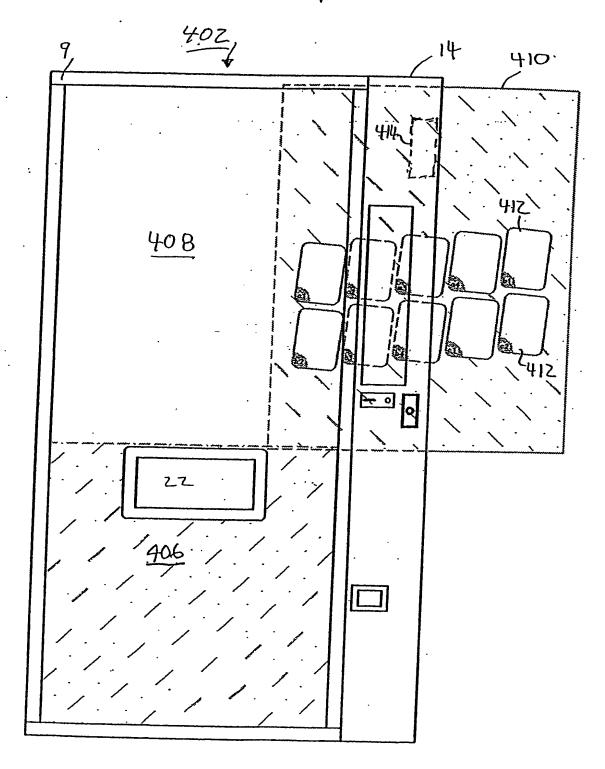
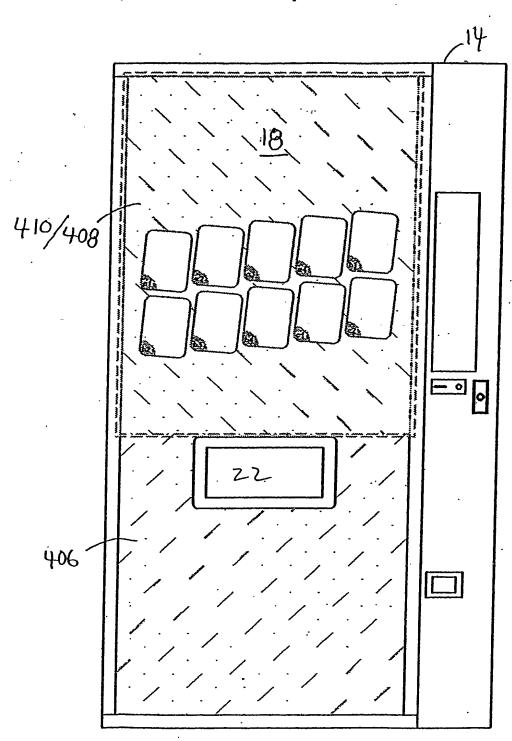
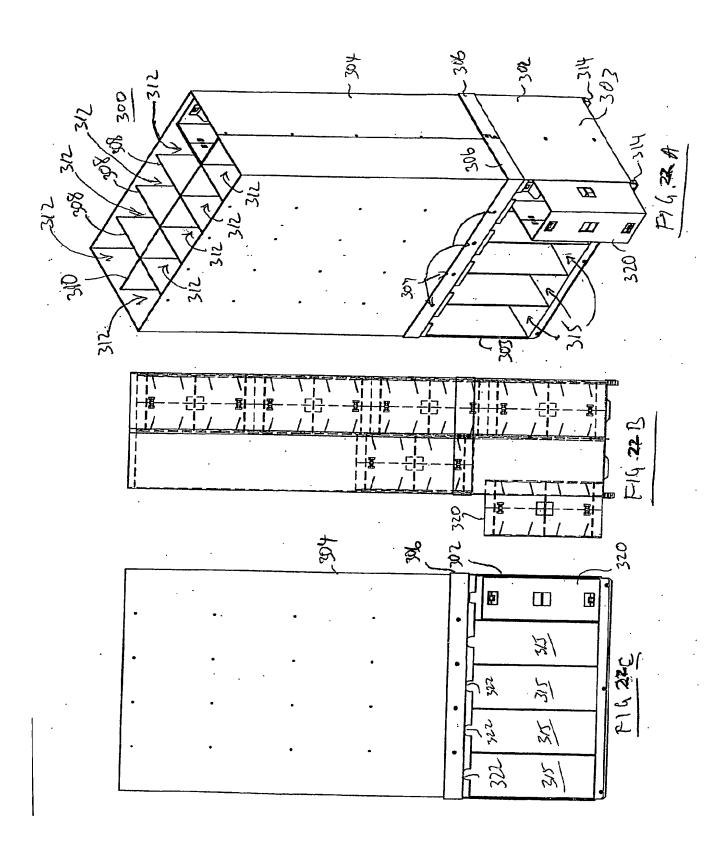
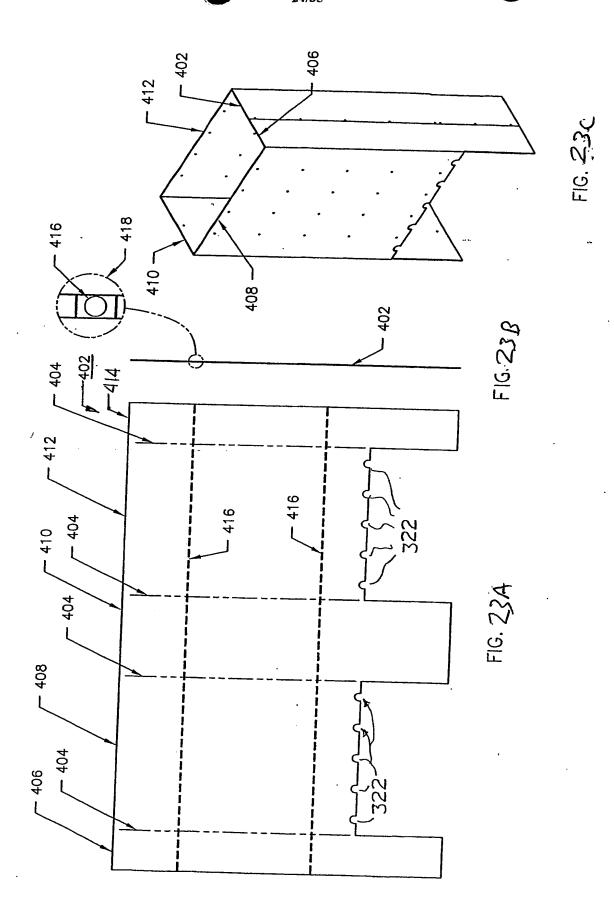
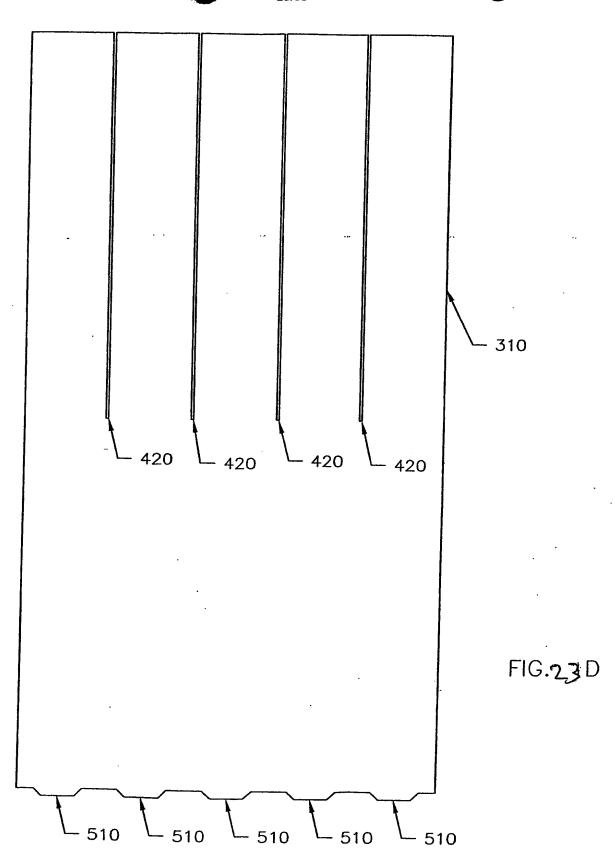


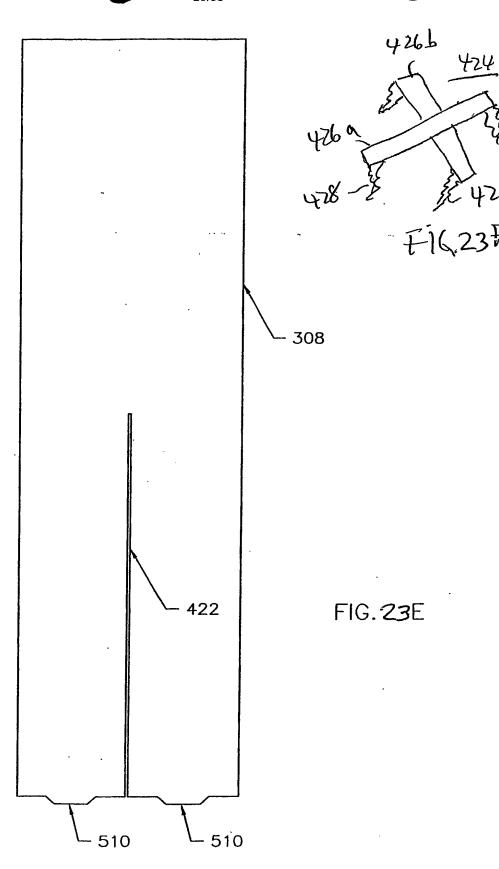
FIG.21b

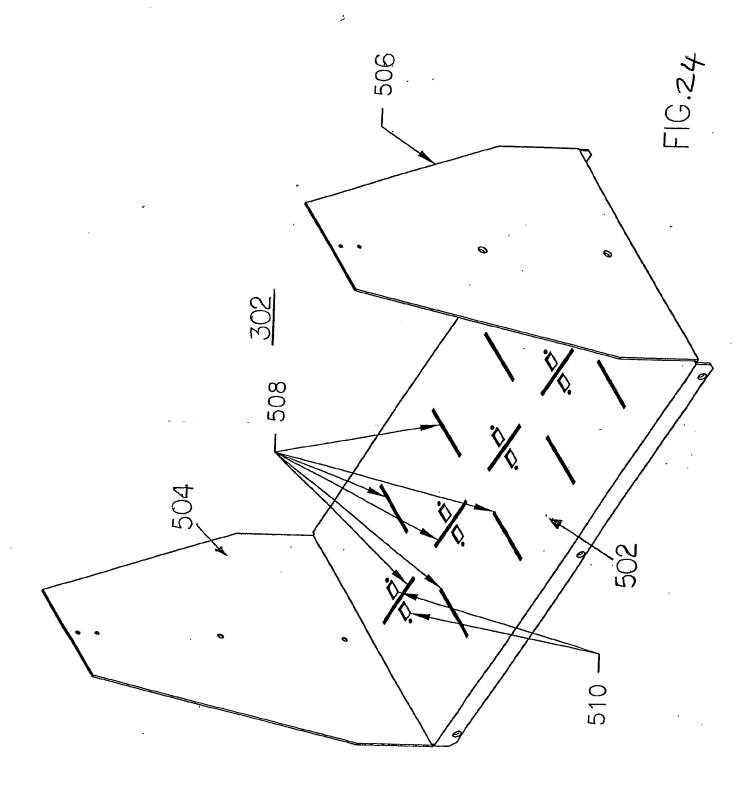


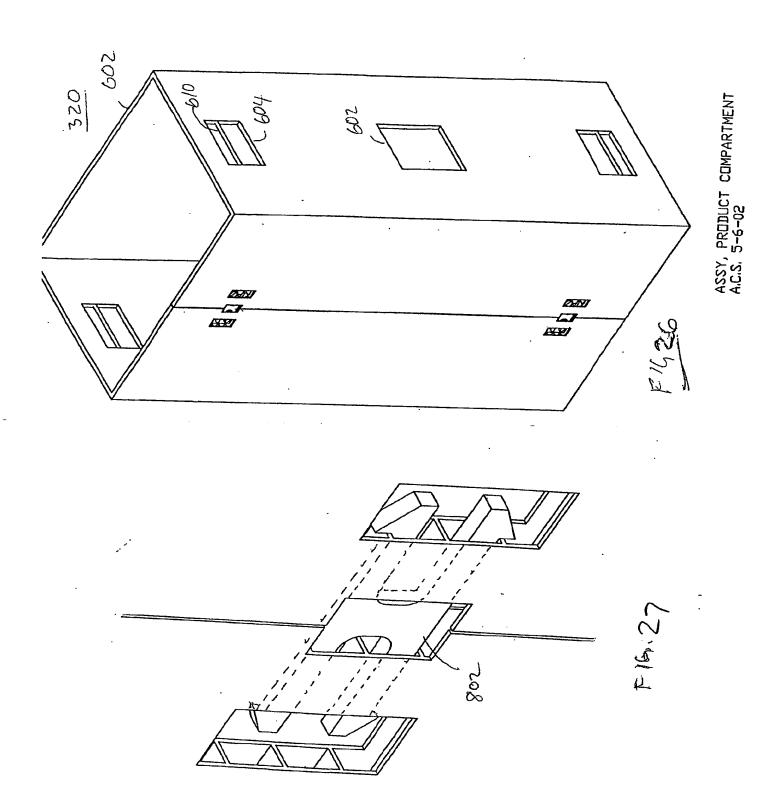


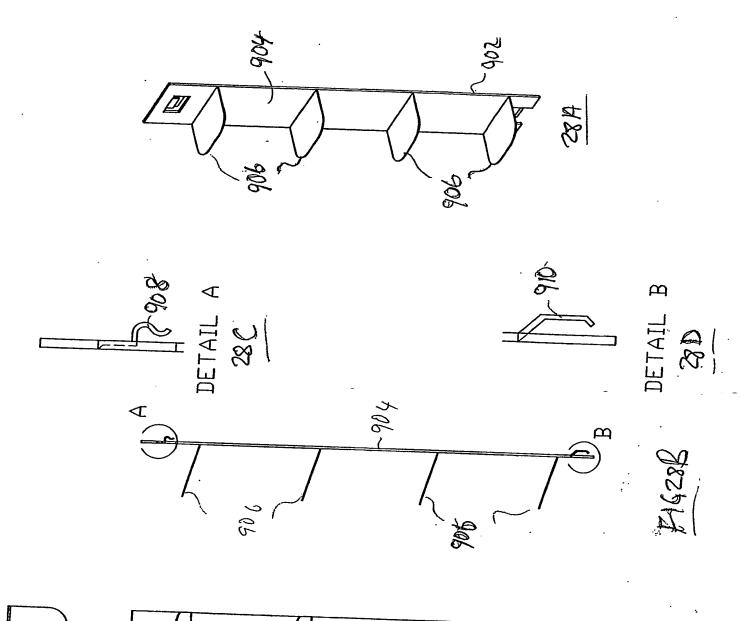


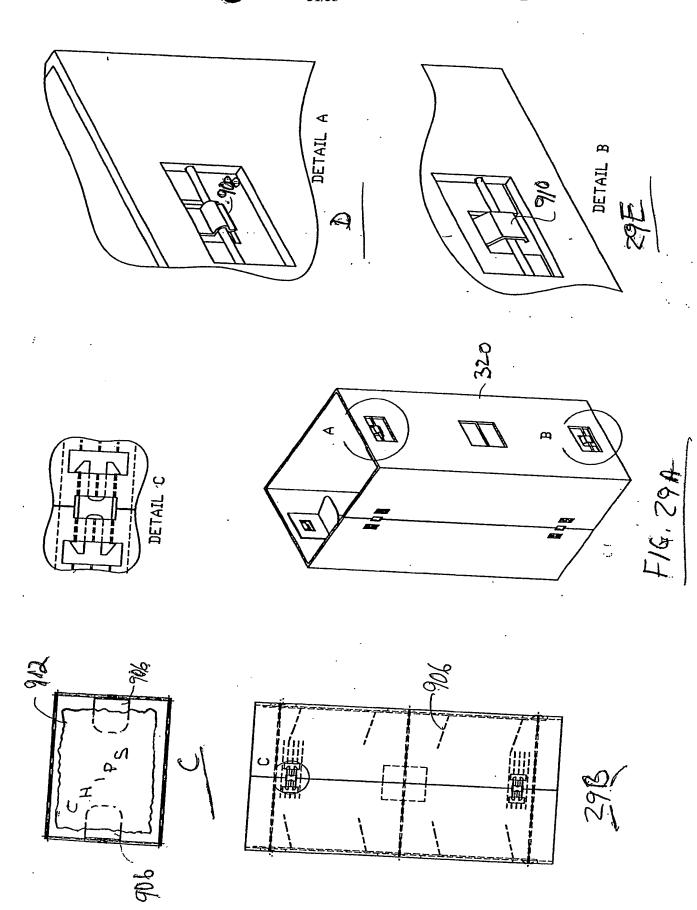




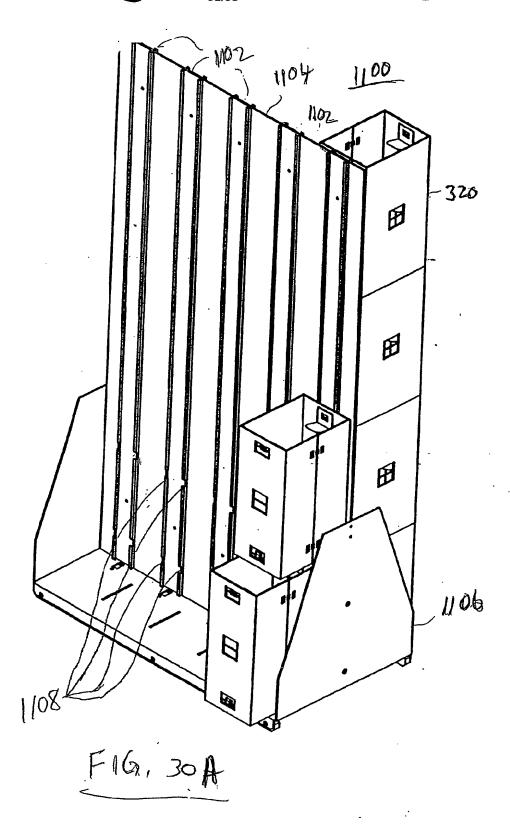


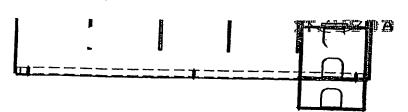


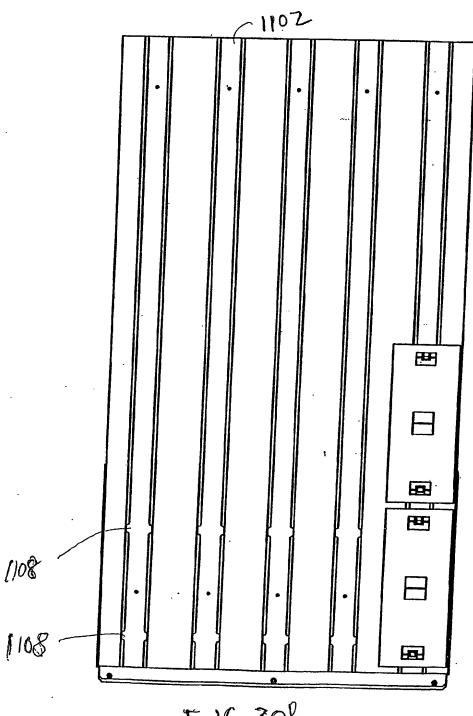


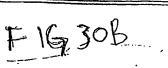


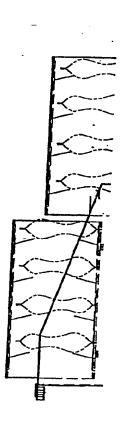


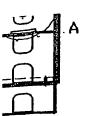




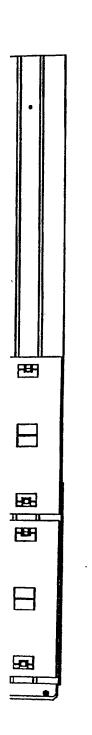


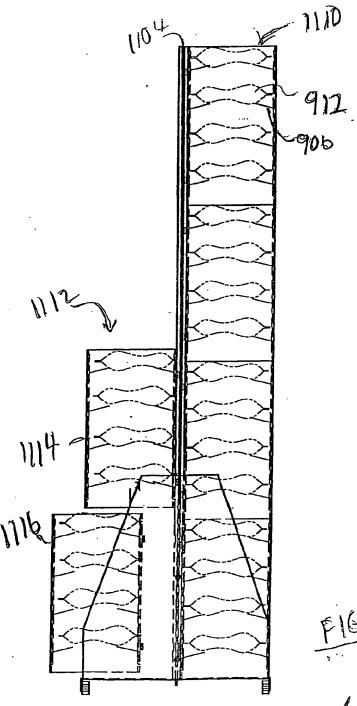




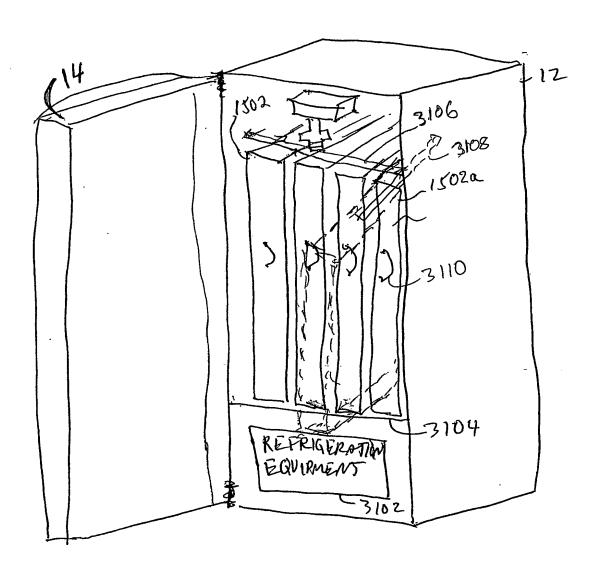


VIEW A





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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/18888

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : B65G 59/00 US CL : 221/123								
According to International Patent Classification (IPC) or to both national classification and IPC								
B. FIELDS SEARCHED								
Minimum documentation searched (classification system followed by classification symbols) U.S.: 221/123, 131, 133, 210; 312/42								
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched								
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)								
C. DOC	UMENTS CONSIDERED TO BE RELEVANT							
Category *	Citation of document, with indication, where ap		vant to claim No.					
A, P	US 6,547,096 B1 (CHIRNOMAS) 15 April 2003 (1	15.04.2003)						
A	US 5,240,139 A (CHIRNOMAS) 31 August 1993 ((31.08.1993)	:					
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